

# Tamino

- **Description:** Tamino is an information server that uses XML to store and retrieve data of any type. Using XML as a "meta-structure", Tamino allows the composition of information from data that may originate from different storage systems. Exploiting XML's capability of describing data that may consist of different types (i.e., relational data, graphics, sound, video or plain text), Tamino can store information as "Internet objects". Tamino, therefore, meets the requirement for a common access and exchange mechanism for organizations with current or proposed web-based applications.

**Teale Services and Support:** The Adabas Unit at Teale, which supports Tamino, provides the following services:

1. Installation and support of software products
2. Test of new maintenance and software releases at installation verification and access levels
3. Configuration of appropriate parameters and environments
4. Construction of Tamino databases
5. Backup and restoration of databases
6. Creation of backup copies to be stored both onsite and offsite
7. Capacity planning and performance tuning
8. Problem resolution
9. Primary contact between the customer and vendor technicians
10. Consultation for technical assistance, database and application design
11. Teale procurement staff manage the contracts for the licensed products

Teale also offers operational recovery services for critical customer databases on a subscription basis. Please contact your Teale Customer Relations Representative for details.

Teale Tamino customers are responsible for the following:

1. Application design, development, maintenance, test and migration
  2. Test of new maintenance and software releases at the user and application levels
  3. Management of the data
  4. Problem reporting and resolution
- **Benefits:** Tamino is the world's first information server that is implemented as a true XML database system, rather than an interface/conversion layer between DBMS and web applications. This means Tamino leverages the main benefit of XML, namely the dramatic

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increase in interoperability of data among applications. Additional key benefits include.

- **Data Integration and Exchange**

Using Tamino, data structures of any type can be expressed in XML format and be stored and treated as XML objects. This also applies to information types that are not stored in databases, such as, multi-media files, including video and sound. The relationship between these and other data can be expressed as links.

In addition, Tamino is highly tolerant of XML data whose structure has not been previously defined in the Data Map. Since XML is well formed, Tamino accepts and stores such data. This goes beyond the capability of classical database systems that require explicit data structuring.

The hierarchical nature of XML also makes it possible to describe objects that consist of several nested objects, distributed over multiple, heterogeneous databases. This "modular" structure makes data managed by Tamino seamlessly reusable in other objects.

- **Data Management**

Tamino is a multithreaded process that benefits from Software AG's proven database technologies, such as, field compression, record caching and high data volume capabilities. The result is an XML-based data management system capable of handling large volumes of data (high data throughput) and managing concurrent user requests very efficiently (high performance).

- **Scalability**

Tamino is available on all major operating systems and platforms. Currently, Teale supports Tamino on the Windows NT platform for one customer.

- **Administration**

Since XML contains data and meta-data in a single unit, the Database Administrator is not required to setup complex database schemas as with traditional, relational database systems. Also, due to the flexible, interconnected tree structure of XML, this database is very dynamic as it allows the addition of information without the need to change the basic structure and adapt existing data. This allows the Database Administrator to react quickly and flexibly to changing requirements without some of the cumbersome formalities involved in database update operations.

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- **Security**

Apart from providing an authorization mechanism to control access to XML objects stored in the XML Store, Tamino integrates security concepts at different levels, such as, the transport and application level. This is done by Tamino's support of single-sign-on, industry-standard security systems and existing methods of encryption (i.e., RACF, NTLM, Kerberos and SSL).

- **When to Use:** Electronic business involves electronically conducted transactions either within an organization, or between an agency and its business partners. The emphasis in electronic business lies very much on such transactions as sales, ordering, distribution and administration. Aerospace and automobile, financial services, telecommunications, publishing, health care, manufacturing and government are only some examples of industries and organizations that are engaged in these types of activity. Tamino can add value by integrating all data types by storing and retrieving them under the XML "umbrella". An enterprise's business information can, therefore, be turned into a shareable and easily manageable repository of business data.
- **How to Obtain:** Call your Teale Customer Relations Representative at (916) 464-3712 (CALNET 433-3712).